Application No. 10/092709
Amendment dated February 23, 2006
Reply to Office Action of October 4, 2005

Docket No.: 021336.0203PTUS
(Formerly 13742.104)

## AMENDMENTS TO THE CLAIMS

1. (Currently amended)    A registration system for assigning unique signature identifications to objects in a multi-media communication network to enable subscribers to access multi-media objects that are stored in storage systems served by said communication network, comprising:

> interface means for receiving data, comprising an object, at said registration system;

> object registrar means for registering said object by generating a unique signature identification for said received object comprising a digital code of predetermined length, comprising:

> > media asset means for generating an object payload comprising object-specific information,

> > registrar identification means for inserting a digital code that identifies said registration system, and

> > media asset identification means for assigning a registrar-specific digital code to uniquely identify said received object;

> signature server means, responsive to a request for an object received from a subscriber, for verifying the subscriber's authorization to receive the requested object;

> global interface registrar means, responsive to said request for an object received from said signature server means, for identifying said object registrar means as the repository of said requested object; and

> network means, responsive to receipt of said request for an object received from said signature server means, for transmitting said requested object to said signature server means for delivery to said subscriber.

2. (Currently amended)    The registration system of claim 1 wherein said object registrar means for registering further comprises:

> object formatting means for combining said object payload, said digital code that identifies said registration system, said registrar-specific digital code, each having a predetermined length, in a predetermined order.

3. (Currently amended)    The registration system of claim 1[[,]] wherein said object comprises one of a media asset and a subscriber application, further comprising:

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  object database means for storing said received object in a storage medium for access by

subscribers; and

  object table means for indexing and describing said stored received object using said unique

signature identification.

  4. (Currently amended) The registration system of claim 3 wherein said object comprises

a media asset, said media asset means for generating an object payload comprises at least one of:

  object expiry means for generating content expiry data that defines a date when said object

is no longer available for access by said subscribers;

  object rating means for generating a content rating that defines characteristics of a content

of said object;

  object quality of service means for generating quality of service data; and

  object version means for generating version data that identifies a version of said received

object.

  5. (Currently amended) The registration system of claim 3 wherein said object comprises

a subscriber application, said media asset means for generating an object payload comprises at least one

of:

  subscriber ratings means for generating subscriber ratings data;

  subscriber permissions means for generating subscriber permissions data;

  subscriber device identification means for generating subscriber device data; and

  subscriber service provider means for generating subscriber service provider identification

data.

  6. (Currently amended) The registration system of claim 3 further comprising:

  object location means, responsive to receipt of a query from a subscriber where said query

includes a unique signature identification for an object, for identifying an object stored on said storage

medium that corresponds to said unique signature identification included in said query;

  subscriber identification means, responsive to receipt of a query from a subscriber where

said query includes a unique signature identification for said subscriber, for identifying object access

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permissions for said subscriber that corresponds to said unique signature identification included in said query; and

network means for retrieving said stored object from said storage medium where said subscriber's object access permissions authorize access.


7. (Currently amended)    A method of operating a registration system for assigning unique signature identifications to objects in a multi-media communication network to enable subscribers to access multi-media objects that are stored in storage systems served by said communication network, comprising the steps of:

receiving data, comprising an object, at [[said]] an object registration system;

registering said object by generating a unique signature identification for said received object comprising a digital code of predetermined length, comprising:

generating an object payload comprising object-specific information,

inserting a digital code that identifies said object registration system, and

assigning a registrar-specific digital code to uniquely identify said received object; and

verifying, in response to a request for an object received from a subscriber and in a signature server, the subscriber's authorization to receive the requested object;

identifying, in response to said request for an object received from said signature server, said object registration system as the repository of said requested object; and

transmitting, in response to receipt of said request for an object received from said signature server, said requested object to said signature server for delivery to said subscriber.


8. (Original)      The method of operating a registration system of claim 7 wherein said step of registering further comprises:

combining said object payload, said digital code that identifies said registration system, said registrar-specific digital code, each having a predetermined length, in a predetermined order.


9. (Currently amended)    The method of operating a registration system of claim 7[[,]] wherein said object comprises one of a media asset and a subscriber application, further comprising the steps of:

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storing said received object in a storage medium for access by subscribers; and

indexing said stored received object using said unique signature identification.

10. (Original)      The method of operating a registration system of claim 9 wherein said object comprises a media asset, said step of generating an object payload comprises at least one of:

generating content expiry data that defines a date when said object is no longer available for access by said subscribers;

generating a content rating that defines characteristics of a content of said object;

generating quality of service data; and

generating version data that identifies a version of said received object.

11. (Currently amended)   The method of operating a registration system of claim 9 wherein said object comprises a subscriber application, said step of generating an object payload comprises at least one of:

generating subscriber ratings data;

generating subscriber permissions data;

generating subscriber device data; and

generating subscriber service provider identification data.

12. (Original)      The method of operating a registration system of claim 9 further comprising the steps of:

identifying, in response to receipt of a query from a subscriber where said query includes a unique signature identification for an object, an object stored on said storage medium that corresponds to said unique signature identification included in said query;

identifying, in response to receipt of a query from a subscriber where said query includes a unique signature identification for said subscriber, object access permissions for said subscriber that corresponds to said unique signature identification included in said query; and

retrieving said stored object from said storage medium where said subscriber's object access permissions authorize access.

13. (Currently amended) A registration system for assigning unique signature identifications to objects in a multi-media communication network to enable subscribers to access multi-media objects that are stored in storage systems served by said communication network, comprising:

interface means for receiving data, comprising an object, at said registration system;

object registrar means for registering said object by generating a unique signature identification for said received object comprising a digital code of predetermined length, comprising:

media asset identification means for generating a segment of said unique signature identification that comprises a set of immutable data, [[and]]

media asset means for generating a segment of said unique signature identification that comprises a set of dynamic data comprising object-specific information that can vary during the existence of said object;

signature server means, responsive to a request for an object received from a subscriber, for verifying the subscriber's authorization to receive the requested object;

global interface registrar means, responsive to said request for an object received from said signature server means, for identifying said object registrar means as the repository of said requested object; and

network means, responsive to receipt of said request for an object received from said signature server means, for transmitting said requested object to said signature server means for delivery to said subscriber.

14. (Currently amended) The registration system of claim 13 wherein said object registrar means for registering further comprises:

object formatting means for combining said segment of said unique signature identification that comprises a set of immutable data, said segment of said unique signature identification that comprises a set of dynamic data, each having a predetermined length, in a predetermined order.

15. (Currently amended) The registration system of claim 13[[,]] wherein said object comprises one of a media asset and a subscriber application, further comprising:

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object database means for storing said received object in a storage medium for access by
subscribers; and

object directory means for indexing said stored received object using said unique signature
identification.

16. (Currently amended)   The registration system of claim 13 wherein said object
comprises a media asset, said media asset means for generating an object payload comprises at least one
of:

object expiry means for generating content expiry data that defines a date when said object
is no longer available for access by said subscribers;

object rating means for generating a content rating that defines characteristics of a content
of said object;

object quality of service means for generating quality of service data; and

object version means for generating version data that identifies a version of said received
object.

17. (Currently amended)   The registration system of claim [[16]] 13 wherein said object
comprises a subscriber application, said media asset means for generating an object payload comprises
at least one of:

object ratings means for generating subscriber ratings data;

object permissions means for generating subscriber permissions data;

object device means for generating subscriber device data; and

object service provider means for generating subscriber service provider identification data.

18. (Currently amended)   The registration system of claim 16 wherein said object registrar
means for registering comprises:

object locator means, responsive to receipt of a query from a subscriber where said query
includes a unique signature identification for an object, for identifying an object stored on said storage
medium that corresponds to said unique signature identification included in said query;

subscriber access permission means, responsive to receipt of a query from a subscriber where said query includes a unique signature identification for said subscriber, for identifying object access permissions for said subscriber that corresponds to said unique signature identification included in said query; and

network means for retrieving said stored object from said storage medium where said subscriber's object access permissions authorize access.

19. (Previously presented) A method of operating a registration system for assigning unique signature identifications to objects in a multi-media communication network to enable subscribers to access multi-media objects that are stored in storage systems served by said communication network, comprising:

receiving data, comprising an object, at said registration system;

registering said object by generating a unique signature identification for said received object comprising a digital code of predetermined length, comprising:

generating a segment of said unique signature identification that comprises a set of immutable data, and

generating a segment of said unique signature identification that comprises a set of dynamic data comprising object-specific information that can vary during the existence of said object.

20. (Original) The method of operating a registration system of claim 19 wherein said step of registering further comprises:

combining said segment of said unique signature identification that comprises a set of immutable data, said segment of said unique signature identification that comprises a set of dynamic data, each having a predetermined length, in a predetermined order.

21. (Currently amended) The method of operating a registration system of claim 19[[.]] wherein said object comprises one of a media asset and a subscriber application, further comprising the steps of:

storing said received object in a storage medium for access by subscribers; and

indexing said stored received object using said unique signature identification.

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22. (Original)    The method of operating a registration system of claim 19 wherein said object comprises a media asset, said step of generating an object payload comprises at least one of:

generating content expiry data that defines a date when said object is no longer available for access by said subscribers;

generating a content rating that defines characteristics of a content of said object;

generating quality of service data; and

generating version data that identifies a version of said received object.

23. (Currently amended)    The method of operating a registration system of claim 22 wherein said object comprises a subscriber application, said step of generating an object payload comprises at least one of:

generating subscriber ratings data;

generating subscriber permissions data;

generating subscriber device data; and

generating subscriber service provider identification data.

24. (Original)    The method of operating a registration system of claim 19 wherein said step of registering comprises:

identifying, in response to receipt of a query from a subscriber where said query includes a unique signature identification for an object, an object stored on said storage medium that corresponds to said unique signature identification included in said query;

identifying, in response to receipt of a query from a subscriber where said query includes a unique signature identification for said subscriber, object access permissions for said subscriber that corresponds to said unique signature identification included in said query; and

retrieving said stored object from said storage medium where said subscriber's object access permissions authorize access.